Claims

Claimed is:

1. An LCD-display panel with: a plurality of individual LCD-display modules (2) which are placed in close proximity to one another and extend themselves in a flat plane, and behind the LCD-display modules (2) is located a backlight apparatus (24), whereby each of the LCD-display modules (2) respectively possesses a multiplicity of individually controllable pixels (12) as well as a first and a second edge zone (4, 6), and, in the first edge zone (4) are placed the control circuits (10) for the pixel elements (12), therein characterized,
in that two immediately adjacent LCD-display modules (2) with their edge zones (4, 6) are placed to overlap in such a manner, that the first edge zone (4) of the one LCD-display module (2) is located between the backlight apparatus (24) and the second edge zone (6) of the other LCD-display module (2) by means of which between the two LCD-display modules (2), an overlap zone (2) is created, and
in that the two immediately adjacent LCD-display modules (2) are placed at a separating distance (d) from one another and
in that in the overlap zone, (3) there is placed between the two LCD-display modules (2) an overlap illuminating element (30) and/or a light deflection means (32).

2. An LCD-display panel in accord with Claim 1, therein characterized in that the overlap illuminating element (30) comprises one or more micro-LEDs, organic LEDs and/or LEPs, which illuminate the second edge zone (6) from behind.

3. An LCD-display panel in accord with Claim 1 or 2, therein characterized in that the overlap illuminating element (30) includes cold cathode fluorescent lighting.

4. An LCD-display panel in accord with one of the foregoing claims, therein characterized in that the light deflection means (32) is a film with microstructure, especially with Fresnel lenses or micro-prisms, or a film with a hologram structure.

5. An LCD-display panel in accord with one of the foregoing claims, therein characterized in that the control circuits (10) are placed on a transparent carrier material.

6. An LCD-display panel in accord with one of the foregoing claims, therein characterized in that the control circuits (10) are embedded in a transparent matrix (22).

7. An LCD-display panel in accord with one of the foregoing claims, therein characterized in that the individual LCD-display modules (2) exhibit polarization filter, which only cover the flat areas of the pixel elements (12).

8. An LCD-display panel in accord with one of the foregoing claims, therein characterized
in that the multiplicity of the LCD-display modules (2) define a display plane (40) and
in that the individual LCD-display modules (2) are inclined to this display plane (40).

9. An LCD-display panel in accord with one of the foregoing claims, therein characterized
in that the LCD-display modules (2) are square or rectangular and
in that the first and the second edge zones (4, 6) are designed to be on opposite sides of the square or rectangle.

10. An LCD-display panel in accord with one of the foregoing claims, therein characterized in that the overlap illumination elements (30) are connected by means of a first transparent ribbon conductor (35) with a control apparatus and/or a source of current.

11. An LCD-display panel in accord with one of the foregoing claims therein characterized in that the control circuits (10) are connected by a second transparent ribbon conductor with the control apparatus and the source of current.

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